



9th ICEEE-2018
Climatic Changes and Environmental
(Bio)Engineering
November 22nd – 24th, 2018
Óbuda University RKK
Budapest, Hungary
εργαστήριο κλιματικής αλλαγής
και περιβαλλοντικού μηχανικού



Second Announcement

9th ICEEE – 2018

International Conference deals with

„Climatic Changes and
Environmental (Bio)
Engineering”

November, 22nd - 24th 2018

Budapest, Hungary





9th ICEEE-2018
Climatic Changes and Environmental
(Bio)Engineering
November 22nd – 24th, 2018
Óbuda University RKK
Budapest, Hungary
egyházak megalapításának
1000. évének tiszteletére



Message from the Organising Committee

Dear Distinguished Guests and, Colleagues!

Climate change has far-reaching effects on human and ecological systems, requiring collaboration across sectors and disciplines to determine effective responses. Our population is rising at a staggering rate and demands ever more resources, while the changing climate is making matters worse. Rising temperatures, polluted air and extreme weather, among the most impactful results of climate change, threaten both physical and psychological well-being. Children, seniors and people with lung or heart disease are especially at risk. It was recognized that 2015 was the warmest year on record, reaching 1°C above the pre-industrial average. The continued increase in CO₂ emission and the resulting warming of the Earth are impacting extreme events, e.g., water resources, coastal erosion, ecosystems, biodiversity, food and fibre production, human health, etc.

In response, 195 nations as part of the United Nations Framework Convention on Climate Change adopted the Paris Agreement, which aims to limit the global temperature increase below 2°C above pre-industrial levels. On another level, for most decision makers there is little guidance on how to best address the linkages between air quality and climate change within the policy process to understand how the emissions of air pollutants and greenhouse gases will impact climate, human health, ecosystems, agriculture, etc.

As a part of the framework of the **Hungarian Scientific Season** in Budapest, Hungary and after a great successful of the last International Conferences of ICEEE which brought together the global expertise professionals and practitioners from different fields of applied and environmental engineering sciences, The International Council of Environmental Engineering Education (ICEEE) and the Óbuda University, Rejtő Sándor Faculty of Light Industry and Environmental Engineering (RKK), Institute of Environmental Engineering have the great pleasure to invite you to participate in the programme of the





9th ICEEE-2018
Climatic Changes and Environmental
(Bio)Engineering
November 22nd – 24th, 2018
Óbuda University RKK
Budapest, Hungary
εργαστήριο ηλιακών
ενέργειών και κλιματικών
αλλαγών



9th ICEEE - 2018 International Conference on „Climatic Changes and Environmental (Bio) Engineering”

during November 22nd – 24th, 2018
Óbuda University RKK, Budapest (Hungary)

Under the auspices of:



Prof. Dr. Mihály RÉGER
Rector of Óbuda University

Presidency of the Conference:



Dr. László KOLTAI

Dean of Rejtő Sándor Faculty of Light Industry and
Environmental Engineering

Dr. Ágnes BÁLINT

Director of the Institute of Environmental
Engineering



Prof. Dr. Hosam BAYOUMI HAMUDA

President of International Council of Environmental
Engineering Education
Conference Chair





9th ICEEE-2018
 Climatic Changes and Environmental
 (Bio)Engineering
 November 22nd – 24th, 2018
 Óbuda University RKK
 Budapest, Hungary
 გეოგრაფიკული უნივერსიტეტი



CONFERENCE COMMITTEES

Honour Conference Chair: Prof. Dr. István Patkó

International Organising Committee:

- Prof. Dr.h.c. Miroslav **BADIDA** (Technical University of Košice, Slovakia)
- Prof. Dr. Milan **Pavlović** (University Business Academy, Novi Sad, Serbia)
- Prof. Dr. Tskhadaya N. **DENISOVICH** (Ukhta State Technical University, Russia)
- Prof. Dr. Sergiy **STEPANENKO** (Odessa State Environmental University, Ukraine)
- Prof. Dr. Marina **FRONTASYEVA** (Joint Institute for Nuclear Research, Dubna, Russia)
- Prof. Dr. Olena **BYKOVSKA** (National Pedagogical Dragomanov University, Ukraine)
- Prof. Dr. Vasyl **LENDYEL** (Uzhgorod National University, Ukraine)
- Prof. Dr. Minodora **RIPA** ("Dunarea de Jos" University of Galati, Romania)
- Prof. Dr. Anatolii **TOSTOUKHOV** (International Association of Universities Environmentalists, Ukraine)
- Dr. Ruslan **MARIYCHUK** (Presov University, Slovakia)

International Scientific Committee:

- Prof. Dr. András **SZÉKÁCS** (National Agricultural Research and Innovation Centre, Agro-Environmental Research Institute, Hungary)
- Prof. Dr. Angéla **ANDA** (Pannon University, Hungary)
- Prof. Dr. Juraj **LADOMERSKY** (Technical University in Zvolen, Slovakia)
- Prof. Dr. Bogdana **VUJIĆ** (University of Novi Sad, Serbia)
- Prof. Dr. Ferenc **LIGETVÁRI** (Debrecen University, Hungary)
- Prof. Dr. Borbála **BIRÓ** (Szent István University, Hungary)
- Prof. Dr. Károly **PENKSZA** (Szent István University, Hungary)
- Prof. Dr. László **DIÓSSY** (Chianti 3D Ltd, Hungary)
- Prof. Dr. Zoltán **SZABÓ** (National Public Health and Medical Office Service, National Institute of Environmental Health, Hungary)
- Dr. Csaba **DOBOLYI** (Szent István University, Hungary)
- Dr. Yulia **KOROLEVA** (Immanuel Kant Baltic Federal University, Russia)
- Dr. Lyudmila **SYMOCHKO** (Uzhgorod National University, Ukraine)
- Dr. Lýdia **SOBOTOVÁ** (Technical University of Košice, Slovakia)
- Dr. Tünde **TAKÁCS** (Institute for Soil Sciences and Agricultural Chemistry, Hungarian Academy of Sciences, Hungary)
- Dr. Zoltán **NAÁR** (National Agricultural and Research and Innovation Center, Food Science Research Institute, Hungary)
- Dr. Márta **VARGHA** (National Public Health and Medical Office Service, National Institute of Environmental Health, Hungary)
- Dr. Bálint **OLDAL** (Bunge/BEU, Hungary)
- Dr. Ildikó **DOBI** (National Weather Service, Hungary)
- Dr. Ivelina **DAMJONOVA** (National Public Health and Medical Office Service, National Center Epidemiology, Hungary)





9th ICEEE-2018
 Climatic Changes and Environmental
 (Bio)Engineering
 November 22nd – 24th, 2018
 Óbuda University RKK
 Budapest, Hungary
 გარემოს ურთიდას
 ცვლილის ტექნიკური უნივერსიტეტი



- Dr. Judit **PASZTI** (National Public Health and Medical Office Service, National Center Epidemiology, Hungary)
- Dr. Marek **MORAVEC** (Technical University of Košice, Slovakia)
- Dr. Oleksandr **SUSAK** (Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine)
- Dr. László **FÜLÖP** (Szent István University, Hungary)
- Dr. Sándor **ZSARNÓCZI** (Szent István University, Hungary)

Administration Committee

- Dr. Lóránt **SZABÓ** (Óbuda University, Hungary)
- Ms. Eszter **BARTHA** (Óbuda University, Hungary)
- Ms. Kornélia **TUSOR** (Óbuda University, Hungary)
- Ms. Zsuzsa **TAMÁSSY** (Óbuda University, Hungary)
- Mr. András **SZEDER** (Óbuda University, Hungary)
- Ms. Júlia **KASZÁS** (Óbuda University, Hungary)
- Mrs. Andrea **TÓTH** (Óbuda University, Hungary)

SCOPE AND OPPORTUNITIES

ICEEE is a non-profit organization that promotes the Engineering and Technology, related latest developments and issues to be discussed and experimented through interactions amongst the researchers and academician across the World at a common platform.

The ICEEE is leading event in the Environmental Engineering Education sector, sharing the latest research results, developments & innovative environmental protection & applications from industry & the policy context. It is clear that, for the mitigation of climate change, urbanization & with rapid industrialization all over the world, pollution is on the increase, we need a transformation of the education, health, economy and environment, not a marginal change.

9th ICEEE - 2018 is a forum where researchers, environmentalists, scientists, scholars and students, share their ideas, experiences, advancements, and research results. There will be plenty of opportunities for organisations, projects and consortia to hold side events (meetings, seminars and workshops) on the Conference site to draw insights and encourage collaboration from many topics, disciplines, and backgrounds, promoting research and education to build a fair global community and more sustainable societies.

The purpose of the 9th ICEEE - 2018 Conference deals with „Environmental Change and Environmental Health due to the Climatic Change”. Climate change is projected to harm human health through adverse changes in security of the life-style.

The 9th ICEEE - 2018 Conference will bring together keynote, invited speakers and international researchers from academia, authorities and industry, to communicate and share a wide range of highlighting potential issues and paths towards the environmental health and the sustainable due to climate change at present and future. The following core conference themes reflect an integrated approach to identifying solutions to the complex global challenge of climatic change.





9th ICEEE-2018
Climatic Changes and Environmental
(Bio)Engineering
November 22nd – 24th, 2018
Óbuda University RKK
Budapest, Hungary
გზაგაზაფხულის
კონფერენცია



Main Topics of Conference:

- Climate Change & Adaptation & Migration
- Climate change & Agriculture, Food & Forest Security
- Climate Change & Applied Sciences
- Climate Change & (Bio) Engineering
- Climate Change & Biodiversity Conservation & Bioindicators
- Climate Change & Carbon Reduction in the Built Environment
- Climate Change & Desertification
- Climate Change & Eco-design, Green Marketing & Textile Development
- Climate Change & Economics: Industry & Business
- Climate Change & Education, Innovation and Sustainable Development
- Climate Change & Energy
- Climate Change & Environmental Friendly Materials
- Climate Change: Environmental legislation & Regulations
- Climate Change & Environmental Pollution & Protection
- Climatic Change & Health & Infectious Disease
- Climate Change Impacts on Water & Sanitation
- Climate Change: Mathematical Modelling & Computation
- Climate Change: Natural Resource & Management
- Climate Change & Novel Ways of Feeding Global Population (~9 Billion)
- Climate Change: Technology & Climate Monitoring

THE RELEVANT TOPICS INCLUDE TOO:

- Atmospheric Sciences & (Bio)monitoring
- Biodegradation of Hazardous Substances
- Bioengineering: Biochemical & Bioprocess Engineering
- Bio-Waste Recycling in Agricultural/Horticultural/Aquaculture Industries.
- Biosensors & Nanobiotechnology
- Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability
- Biotechnology & Bioengineering
- CO₂ Capture & Sequestration
- Climatology & Meteorology
- Communications & Environmental Engineering
- Composite Material, Polymer Science & Engineering
- Designers & Engineers Can Start Designing for Climate Change
- Designing the Future: A New Society & A New Economy?
- Disruption of Weather Patterns & Ecosystem Services





9th ICEEE-2018
Climatic Changes and Environmental
(Bio)Engineering
November 22nd – 24th, 2018
Óbuda University RKK
Budapest, Hungary
გარემოს უწყობის
კვლევითი ინსტიტუტი



- Engineering Solutions Response to Climate Change
- Environmental Biology, Chemistry & Microbiology
- Environmental Change & Ecosystems Management
- Environmental Engineering & Monitoring
- Environmental Footprint of Tourism
- Environmental Risk Assessment & Health Science
- Global, Regional & local analyses of Environmental security
- Global Open Innovation, Science & Technology Network
- Global Warming & Solutions
- Geoengineering & Global Warming
- Green Technology & Greenhouse Gas Emissions
- Methods for Monitoring Climate Change & Its Effects
- Microbial Communities as Indicators of Climatic Changes
- Monitoring global health within Sustainable Development Goals
- Petrochemistry & (Bio)Engineering
- Pollution Analysis & Environmental Sustainability
- Soil Science & Decontamination
- Solid Waste Minimization, Remanufacturing, Reuse and Recycling
- Sustainable bioenergy & biomass
- Sustainable Development of Environment & Ecosystem
- Water, Waste & Energy Management

Research and Solutions are needed to give promise for future application and contribution to the sustainable development and protect the impacts of climatic changes on the environment

Is there hope that we will be able to do something before it is too late?

Projects Are Needed For The Future Cooperation:

- Sustainable Innovation Management for Sectors under Climatic Change: Information Technology, Health, Energy, Water, Agriculture, Process Industry, Education
- Innovative Projects to be Funded Privately
- Innovative Technologies
- New Products, Processes, Marketing Methods or Organisational Methods





9th ICEEE-2018
 Climatic Changes and Environmental
 (Bio)Engineering
 November 22nd – 24th, 2018
 Óbuda University RKK
 Budapest, Hungary



EXTENSION OF IMPORTANT DEADLINES

- | | |
|-------------------------------|--|
| • Submission of registration: | before 10 th of October 2018 |
| • Submission of abstracts: | before 10 th of October 2018 |
| • Acceptance notification: | before 12 th of October 2018 |
| • Submission of full papers: | before 04 th of November 2018 |
| • Acceptance notification: | before 06 th of November 2018 |

THE REGISTRATION FEE

The conference fee:

	Bank	On Desk
• Personal Participation and Presentation with articles	€220	= 69000 HUF
• PhD/MSc/BSc student Participation	€125	= 39000 HUF
• Personal Participation and Presentation without articles	€175	= 55000 HUF
• Accompanying person	€150	= 47000 HUF
• Social Programme: Post Conference's Tour	€080	= 28000 HUF

The Registration Fee Includes:

- Welcome reception
- Printed Name Card and the Conference Folder or Bag
- Programme of the conference
- Publication of the papers in the Proceedings e-book and in the journal
- Certificate of participation
- Coffee breaks, Lunch and dinner on the presentation days
- Banquet of the conference

Methods of Payment, Confirmation and Invoices

Payment can be made by bank transfer payable to:

- **Bank: Magyar Államkincstár** (Hungarian State Treasury)
- **Bank address: 1054 Budapest, Hold u. 4.**
- **Account number of Óbuda University: 10032000-00291350-00000000**
- **IBAN: HU25 10032000-00291350-00000000**
- **SWIFT CODE: HUSTHUHB**

Please note that the transfer should be referring with: **050130500 (9th ICEEE-2018 Conference)**





9th ICEEE-2018
 Climatic Changes and Environmental
 (Bio)Engineering
 November 22nd – 24th, 2018
 Óbuda University RKK
 Budapest, Hungary
 გეგმავთერ უნივერსიტეტი



BENEFITS OF ATTENDING

- Participants are requested to send at least **2 manuscripts** in which at least one will be published in the Proceedings of the conference and the second one of high quality will be published in a special issue of an International Environmental Journal.
- The organising committee is in contact with the **Journal of Expert Opinion on Environmental Biology (ISSN: 2325-9655, Journal Impact Factor: 0.92, SciTechnol, London)** to publish the high quality articles (**PDF, each with its own DOI**) after they are **reviewed**. The participants of conference will be informed regarding this issue via e-mail.
- The website of the Journal is:
 - <https://www.scitechnol.com/expert-opinion-on-environmental-biology.php>
- Opportunity to organise Workshop.
- All accepted full papers sent for Proceedings of 9th ICEEE – 2018 Conference will be subjected to double blind reviewing process and will be published electronically (In PDF format) with an ISBN in the Proceedings each will receive a DOI.

FOR YOUNG RESEARCHERS OPPORTUNITY:

We make sure to support and motivate “Young Researchers” by:

- Establishing their scientific and professional relationships
- Improving their morale and confidence of presenting research in an international platform
- Interacting with expertise in their respective Departments
- Clearing the inhibitions of adjusting to the foreign environment
- Providing a holistic experience of academic tourism

PUBLICATION OF PAPERS

- **The language of the conference will be English.**
- **Manuscripts of papers submitted to 9th ICEEE – 2018 Conference will be published in digital Conference Proceedings on a USB Flash drive and online with ISBN as well as Journal of Expert Opinion on Environmental Biology (ISSN: 2325-9655, Journal Impact Factor: 0.92, SciTechnol, London).**
- **Please check the website of the Journal for Instructions for Authors to write the articles.**

Reviewing

To ensure the quality of 9th ICEEE – 2018 publications, abstracts and papers are peer-reviewed by members of the International Scientific Advisory Committee and other experts, with manuscripts processed through Journals similarity check.





9th ICEEE-2018
Climatic Changes and Environmental
(Bio)Engineering
November 22nd – 24th, 2018
Óbuda University RKK
Budapest, Hungary
99999999 99999999 9999



Instructions for Authors

- On time, authors are kindly asked to send their manuscripts according to the template given for the Proceedings in the website: www.iceee.hu. Following the Conference, participants will receive an electronic copy of the Proceedings in which their papers have been published.
- For publishing in the journal (The issue will be published in end of November, 2018).
- **Please Note that the formats of the papers submitted to the Proceedings of the Conference have the same format as the Journal.**
- For any inquiry about the submission and conference, please feel free to contact us via E-mail: Bayoumi.hosam@rkk.uni-obuda.hu

Submission of Abstract and Full Paper

- Abstracts of no more than 300 words should be submitted as soon as possible (before **October 10th**) by completing the form in the attachment. Abstract should contain title, author(s) names, full post and e-mail address and telephone/mobile.
- Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper.
- Once your abstracts have been reviewed, you will be notified of the acceptance of your abstracts and be given a submission date as well as instructions on how to prepare your paper (according to the given template given by the Journal at the website:).
- Final acceptance will be based on the full-length manuscript of paper.
- We encourage early submission of abstracts and papers to facilitate registration and travel arrangements.

Your contributions help us to keep the quality of the papers we publish strong. We hope you will continue to consider ICEEE as a venue to publish your work and welcome your suggestions for improving the activity of ICEEE and we will continue to strive to make your experience of submitting and publishing articles a positive one.

- For more details to write the abstracts and the manuscript of your papers, please check the Conference website: www.iceee.hu

Please submit your registration form and the abstracts as well as the manuscripts to Prof. Dr. Hosam Bayoumi Hamuda on the e-mail address:
Bayoumi.hosam@rkk.uni-obuda.hu





9th ICEEE-2018
 Climatic Changes and Environmental
 (Bio)Engineering
 November 22nd – 24th, 2018
 Óbuda University RKK
 Budapest, Hungary
 გეოგრაფიკული ინჟინერების კარი



TENTATIVE CONFERENCE PROGRAMME

The Definite Programme Schedule will be mailed to all delegates after the last date of registration

22nd of November 2018 (Thursday)

- | | | |
|---------------------------|---|--------------------|
| – 14:00 p.m. – 17:00 p.m. | Welcome and Registration | Aula of Faculty |
| – 14:30 p.m. – 14:50 p.m. | Opening Ceremony | Schmalz Auditorium |
| – 14:50 p.m. – 15:00 p.m. | Group Photo | Aula of Faculty |
| – 15:00 p.m. – 16:30 p.m. | Plenary Lectures | Schmalz Auditorium |
| | 3 communications and Discussions | |
| – 16:45 p.m. – 18:05 p.m. | Technical session-1 | Schmalz Auditorium |
| | 4 communications and Discussions | |
| – 19:00 p.m. – 21:00 p.m. | Welcome Dinner | |

23rd of November 2018 (Friday)

- | | | |
|---------------------------|--|--------------------|
| – 08:30 a.m. – 13:00 p.m. | Registration at desk | Aula of Faculty |
| – 09:00 a.m. – 18:00 p.m. | Poster Presentations | Aula of Faculty |
| – 09:00 a.m. – 13:00 p.m. | Technical session-2 | Schmalz Auditorium |
| | 11 communications and Discussions | |
| – 13:00 p.m. – 14:00 p.m. | Lunch Break | |
| – 14:30 p.m. – 18:10 p.m. | Technical session-3 | Schmalz Auditorium |
| | 7 communications and Discussions | |
| – 18:10 p.m. – 18:45 p.m. | Certificate & Award Distribution &
Closing Ceremony | Schmalz Auditorium |
| – 19:00 p.m. – 22:30 p.m. | Conference's Banquet | |

24th of November 2018 (Saturday)

(Only for those participants who will take part at the social programme)
Post Conference's Tour

- Start: From 08:30 a.m. to 16:00 p.m.
- Scientific Excursion
- Social Programme
- Closing Ceremony (late afternoon) with good bye lunch





9th ICEEE-2018
Climatic Changes and Environmental
(Bio)Engineering
November 22nd – 24th, 2018
Óbuda University RKK
Budapest, Hungary



Invitation Letter and Hungarian Visa

A Letter of Invitation is a proof that the submission of your abstract of the paper and registration application is accepted by the Conference Committee board. It will be stated in English and may help with your visa application. However, it does not guarantee you a visa.

Invitation letters will be sent by e-mail. In order to request an invitation letter, just e-mail us with the following data:

Registration Form, Passport size photo and Passport Scan Copy

For those who require a visa, please note that the Organizing Committee has no control over the visa application process, or the decision of the visa adjudicator in the embassy or consulate. The process length varies from individuals; you're strongly advised to start your application as soon as you can.

Application for Hungarian visa, please visit this website:

<http://konzuliszolgalat.kormany.hu/visa-application-forms>.

Recommended Accommodation

Hotels listed below are the hotels recommended by the Organizing Committee. You can book a room in the hotel's online booking system. However, the discounted Conference rates are available only by mentioning the Óbuda University 9th ICEEE - 2018 Conference as a reference in your bank transfer.

Hotel Császár

the hotel is close to Óbuda University.

Address: H-1023 Budapest, Frankel Leó út 35.

Website: www.csaszarhotel.hu

Aquincum Hotel Budapest

Address: H-1036 Budapest,

Árpád fejedelem útja 94.

Website: www.aquincumhotel.com

Hotel Victoria Budapest

Address: 1011 Budapest, Bem rakpart 11.

Website: www.victoria.hu

Lánchíd 19 Design Hotel

Address: 1013 Budapest, Lánchíd u. 19.

Website: www.lanchid19hotel.hu

How to reach the Conference Venue

By using public transport, the following trams lines: 9, 17, or 41 that can stop at the station named "**Katinyi mártírok parkja**" near to the RKK (Conference Venue) on the Bécsi Street. A 4-minute walk from *Katinyi mártírok parkja* tram station to the building of RKK. These trams are started mainly from Batthyány tér where the 2nd Metro (Red line) station is there.





9th ICEEE-2018
 Climatic Changes and Environmental
 (Bio)Engineering
 November 22nd – 24th, 2018
 Óbuda University RKK
 Budapest, Hungary
 9th ICEEE-2018
 KÖRNYEZETMÉRNÖKI KAR



Conference Venue

Address: Budapest, Doberdó Str. 6, 1034 Hungary



Hungary is very pleased to host the 9th ICEEE - 2018 „Climatic Changes & Environmental (Bio) Engineering”. "We would like to thank you for considering Budapest as a possible destination to host the 9th ICEEE Conference in November 2018. We are sure that it will be an interesting event and that Hungary will be a good host country with our vast experience with using this event to discuss some of the global environmental problems and what are the solutions to protect our planet in the future. We would be happy to meet with the specialist who will deliver a speech at the 9th ICEEE - 2018 Conference.



Budapest is the capital city of Hungary. It is the most populous region, and standing on the River Blue Danube. Budapest is a leading global city, with strengths in the arts, commerce, education, entertainment, fashion, finance, healthcare, media, professional services, research and development, tourism and transport all contributing to its prominence. We are looking forward to welcome this big and interest event to Budapest."

The Organising Board looking forward to your interest in participating as Speaker. In case you might have any queries or requirements please do not hesitate to contact me by replying to this email.

Wish you will enact immediately in heading with future accomplishments. More information about the 9th ICEEE - 2018 is available at:
www.iceee.hu or
www.rkk.uni-obuda.hu

Yours Sincerely,

Prof. Dr. Hosam BAYOUMI HAMUDA
 President of ICEEE,
 Conference Chair
 Mobile: +36-30-390-0813
 E-mail: bayoumi.hosam@rkk.uni-obuda.hu

